June 2008



DEPARTMENT OF EDUCATION

2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine. gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron

Commissioner of Education

Lusan A. Lendron



School Report Grade 4

Test Date:	March 2008
Code:	12341625

SAU: MSAD 40

School: Union Elem & Gaul Middle Schs

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

Topic	Page
Summary of Scores	2
Summary of Student Participation	3
English Language Arts – Reading Results	4-6
Mathematics Results.	7-9
Science and Technology Results	10-12



SUMMARY OF SCORES

Test Date: March 2008

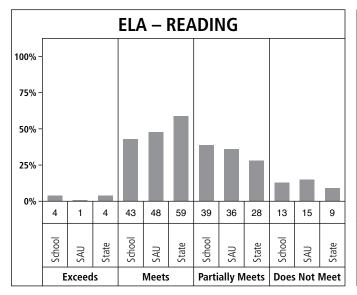
Grade:

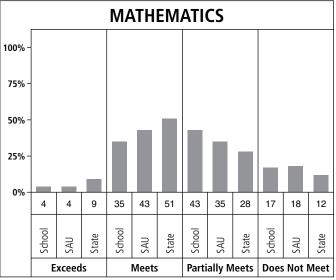
SAU: MSAD 40

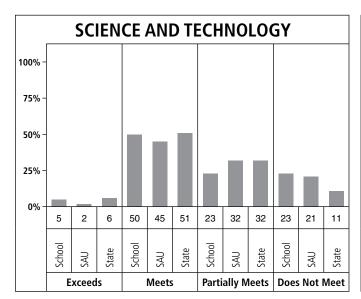
School: Union Elem & Gaul Middle Schs

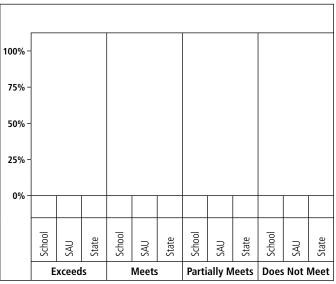
Summary of School, SAU, and State Scores

Year	Avera	age Scaled S	Score
ieai	School	SAU	State
ELA – Reading 2005–2006 2006–2007 2007–2008 Cum. Avg.*	442 443 442 442	441 441 442 441	444 445 445 445
Mathematics 2005–2006 2006–2007 2007–2008 Cum. Avg.*	435 446 440 440	440 441 440 440	444 445 445 445
Science & Technology 2005–2006 2006–2007 2007–2008 Cum. Avg.*	436 440 441 439	439 438 440 439	444 444 444 444









^{*}Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.



SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008

Grade:

SAU: MSAD 40

School: Union Elem & Gaul Middle Schs

		Er	roll	lme	nt¹								C	ON.	TEI	TV	AR	EΑ	PA	RT	ICI	PA	TIO	N ²				
CATEGORY OF	d	during	g test	ing w	vindo	W			ELA-F	Readin	g				Mathe	matics	3			Scien	ce and	l Tech	nology					
PARTICIPATION	Sc	hool	S	AU	Sta	ate	Sc	hool	s	AU	St	ate	Sch	nool	S	AU	Sta	ate	Sch	ool	S	AU	Sta	ate	Scl	hool	SAU	State
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n %	n %
Total number of students	23	100	169	100	14207	100	23	100	168	99	14181	100	23	100	168	99	14123	100	22	96	166	98	14115	99				
Ethnicity African American/Black	1	4	1	1	390	3	1	100	1	100	388	99	1	100	1	100	388	99	1	100	1	100	386	99				
American Indian or Native Alaskan	1	4	2	1	101	1	1	100	2	100	101	100	1	100	2	100	101	100	1	100	2	100	101	100				
Asian or Pacific Islander	0	0	2	1	263	2	0	0	2	100	259	98	0	0	2	100	262	100	0	0	2	100	262	100				
Hispanic	0	0	2	1	170	1	0	0	2	100	168	99	0	0	2	100	166	98	0	0	2	100	166	98				
Caucasian/White	21	91	162	96	13282	93	21	100	161	99	13264	100	21	100	161	99	13205	100	20	95	159	98	13199	99				
Not Reported	0	0	0	0	1	0	0	0	0	0	1	100	0	0	0	0	1	100	0	0	0	0	1	100				
Identified disability	3	13	28	17	2524	18	3	100	27	96	2514	100	3	100	27	96	2498	99	2	67	26	93	2494	99				
Current LEP	0	0	1	1	385	3	0	0	1	100	377	98	0	0	1	100	383	99	0	0	1	100	380	99				
Economically disadvantaged	8	35	78	46	5587	39	8	100	77	99	5569	100	8	100	77	99	5538	99	8	100	77	99	5534	99				
Migrant	0	0	0	0	5	0	0	0	0	0	5	100	0	0	0	0	5	100	0	0	0	0	5	100				

MODE OF			ELA-F	Readin	g				Mathe	matics	3			Scien	ce and	l Tech	nology					
	Sc	hool	S	AU	St	ate	Scl	nool	s	AU	St	ate	Sch	ool	S	AU	St	ate	Scl	nool	SAU	State
PARTICIPATION ³	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n %	n %
Participation without accommodations	20	87	130	77	10755	76	20	87	130	77	10730	76	20	87	130	77	10776	76				
Identified disability (PET/IEP)	0	0	1	1	375	3	0	0	1	1	374	3	0	0	2	2	384	4				
LEP	0	0	1	1	148	1	0	0	1	1	148	1	0	0	1	1	150	1				
504 plan	1	5	3	2	114	1	1	5	3	2	114	1	1	5	3	2	115	1				
Participation with accommodations	3	13	38	22	3298	23	3	13	38	22	3267	23	2	9	36	21	3215	23				
Identified disability (PET/IEP)	3	100	26	68	2013	61	3	100	26	68	1998	61	2	100	24	67	1986	62				
LEP	0	0	0	0	225	7	0	0	0	0	233	7	0	0	0	0	229	7				
504 plan	0	0	3	8	69	2	0	0	3	8	68	2	0	0	3	8	67	2				
Other	0	0	9	24	1046	32	0	0	9	24	1023	31	0	0	9	25	987	31				
Participation through alternate assessment (PAAP)	0	0	0	0	126	1	0	0	0	0	126	1	0	0	0	0	124	1				
Identified disability (PET/IEP)	0	0	0	0	126	100	0	0	0	0	126	100	0	0	0	0	124	100				
LEP	0	0	0	0	2	2	0	0	0	0	2	2	0	0	0	0	1	1				
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Approved non-participation in reading – 1st year LEP	0	0	0	0	2	0																
Approved non-participation – special consideration	0	0	0	0	15	0	0	0	0	0	16	0	0	0	0	0	12	0				
Non-participation – other	0	0	1	1	11	0	0	0	1	1	68	0	1	4	3	2	80	1				

¹ Percents are the percentage of students enrolled in each participation category.

² Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³ Percents are the percentage of students in each content area by mode.



ELA-READING RESULTS

Test Date: March 2008

Grade:

SAU: MSAD 40

School: Union Elem & Gaul Middle Schs

			STUDENT	S AT EACH	ACHIEVEME	NT LEVEL	
ACHIEVEMENT LEVEL DEFINITIONS		Sch	nool	SA	AU .	Sta	ite
The quality of a student's work at each achievement level reflects progress in attaining Maine Level Expectations in English language arts – reading.	's Grade	N	%	N	%	N	%
Exceeds the Standards – The student's work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 461–480)	2005-2006	0	0	1	1	601	4
	2006-2007	0	0	2	2	507	4
	2007-2008	1	4	2	1	559	4
	Cum. Total*	1	2	5	1	1667	4
Meets the Standards – The student's work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 441–460)	2005-2006	11	50	72	51	7910	57
	2006-2007	12	67	66	51	8749	63
	2007-2008	10	43	81	48	8308	59
	Cum. Total*	33	52	219	50	24967	60
Partially Meets the Standards – The student's work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student's ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 431–440)	2005-2006	11	50	47	34	3970	29
	2006-2007	4	22	42	32	3467	25
	2007-2008	9	39	60	36	3922	28
	Cum. Total*	24	38	149	34	11359	27
Does Not Meet the Standards – The student's work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student's responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 400–430)	2005-2006	0	0	20	14	1421	10
	2006-2007	2	11	20	15	1165	8
	2007-2008	3	13	25	15	1264	9
	Cum. Total*	5	8	65	15	3850	9

		nber	Average Points Attained (Number and Percent)											
Learning Results Content Standard Cluster		oints sible	Sch	ool	SA	ΑU	Sta	ite						
	N	%	N	%	N	%	N	%						
Total Reading Cluster	48	100	27.3	56.9	27.2	56.7	29.7	61.9						
Literary Text	24	50	13.9	57.9	14.2	59.2	15.5	64.6						
Informational Text	24	50	13.4	55.8	13.0	54.2	14.2	59.2						

The Maine Learning Results reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students' reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine's 1997 Learning Results, which can be found at http://www.maine.gov/education/lsalt/gles.htm.



ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008

Grade:

SAU: MSAD 40

School: Union Elem & Gaul Middle Schs

¥						ool							SA	\U					Sta	ate		
REPORTING CATEGORIES	Tested		E	ı	М		P	I	D	Mean Scaled	Tested	E	М	P	D	Mean Scaled	Tested	E	М	P	D	Mean Scaled
	N	N	%	N	%	N	%	N	%	Score	N	%	%	%	%	Score	N	%	%	%	%	Score
All Students	23	1	4	10	43	9	39	3	13	442	168	1	48	36	15	442	14053	4	59	28	9	445
Ethnicity African American/Black American Indian or Native Alaskan Asian or Pacific Islander Hispanic Caucasian/White Not Reported	1 1 0 0 21	1	5	9	43	9	43	2	10	443	1 2 2 2 161 0	1	48	35	15	441	384 101 259 164 13144	1 1 6 0 4	36 46 61 45 60	35 44 22 38 28	28 10 11 16 8	438 442 445 440 445
Identified disability Yes No	3 20	1	5	9	45	8	40	2	10	443	27 141	0 1	30 52	33 36	37 11	435 443	2388 11665	0 5	29 65	44 25	26 6	437 446
Current LEP Yes No	0 23	1	4	10	43	9	39	3	13	442	1 167	1	49	35	15	442	373 13680	1 4	32 60	35 28	32 8	436 445
Economically disadvantaged Yes No	8 15	1 0	13 0	3 7	38 47	3 6	38 40	1 2	13 13	445 441	77 91	1 1	38 57	42 31	19 11	440 443	5502 8551	1 6	47 67	37 22	14 5	441 447
Migrant Yes No	0 23	1	4	10	43	9	39	3	13	442	0 168	1	48	36	15	442	5 14048	0 4	40 59	60 28	0 9	445 445
Gender Female Male Not Reported	15 8 0	1 0	7 0	6 4	40 50	6 3	40 38	2	13 13	444 440	92 76 0	2	45 53	38 33	15 14	441 442	6959 7093 1	5 3	61 57	26 30	8 10	446 444
Title 1A targeted program Yes No	5 18	0 1	0 6	1 9	20 50	3 6	60 33	1 2	20 11	436 444	56 112	0 2	27 59	46 30	27 9	436 444	1890 12163	0 5	37 63	46 25	17 8	439 446
Gifted/talented program Yes No	0 23	1	4	10	43	9	39	3	13	442	0 168	1	48	36	15	442	266 13787	21 4	74 59	4 28	0 9	456 445

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested.

I = Number



ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008

Grade: 4

SAU: MSAD 40

School: Union Elem & Gaul Middle Schs

	145.		• • • • • • • • • • • • • • • • • • • •				,				1						1					
					Sch	ool							SA	.U					Sta	ite		
QUESTIONNAIRE ITEMS	Students in Each Category		E	ı	VI		P		D	Mean Scaled Score	Students in Each Category	E	М	P	D	Mean Scaled Score	Students in Each Category	E	М	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%	30010	%	%	%	%	%	30010	%	%	%	%	%	1
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	0 86 14 0	1 0	6 0	7 3	39 100	8 0	44 0	2 0	11 0	442 449	4 83 10 3	0 1 6 0	17 51 47 20	33 35 47 20	50 13 0 60	432 442 445 430	5 74 18 2	1 4 5 3	42 62 59 32	36 27 29 34	21 7 7 31	440 445 446 438
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading? A. The questions on the test match what I have learned in reading class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	48 43 5 5	0 1 0 0	0 11 0 0	5 4 1 0	50 44 100 0	4 3 0 1	40 33 0 100	1 1 0 0	10 11 0	443 444 446 434	33 46 12 9	0 3 0 0	54 52 45 20	33 36 35 47	13 9 20 33	443 443 440 435	30 52 12 5	6 4 2 0	63 63 46 33	24 27 37 40	7 6 15 26	446 446 441 437
Which of the following best describes how you rate yourself as a student in reading? A. very good B. good C. fair D. poor	45 41 9 5	1 0 0	10 0 0 0	6 3 1 0	60 33 50 0	1 6 1	10 67 50 100	2 0 0	20 0 0	446 441 444 434	31 50 17 2	2 1 0	45 55 39 25	33 37 39 50	20 7 21 25	441 444 439 435	35 51 12 2	7 3 1 0	66 60 44 23	20 29 40 47	6 7 16 30	448 445 440 436
How hard was the reading part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	14 57 29	0 0 1	0 0 17	1 4 5	33 33 83	1 7 0	33 58 0	1 1 0	33 8 0	437 441 450	17 56 26	0 0 5	29 55 49	43 35 33	29 10 14	436 443 442	19 62 18	2 5 3	46 64 58	34 26 29	17 5 10	442 446 444
How hard were the reading passages on this test? A. Most of the passages were more difficult than what I usually read. B. Most of the passages were about the same as what I usually read. C. Most of the passages were easier than what I usually read.	14 52 33	0 0 1	0 0 14	0 5 5	0 45 71	2 5 1	67 45 14	1 1 0	33 9 0	432 441 451	15 51 34	0 0 4	29 46 61	38 42 27	33 12 9	435 441 445	14 52 33	0 3 7	32 62 68	46 28 20	22 7 5	438 445 448
How much time do you spend reading at home each day? A. more than one hour B. 20 minutes to an hour C. less than 20 minutes D. I rarely read at home.	32 36 9 23	1 0 0 0	14 0 0 0	4 4 1 1	57 50 50 20	1 3 1 4	14 38 50 80	1 1 0 0	14 13 0 0	448 441 443 438	22 39 13 26	6 0 0	44 56 50 40	36 28 45 44	14 16 5 16	443 442 442 439	18 55 14 13	7 4 2 1	64 64 53 44	22 26 33 39	7 6 12 16	447 446 443 441
How many pages do you read in school and to complete homework assignments? A. five or fewer pages B. six to ten pages C. eleven or more pages	50 18 32	1 0 0	9 0 0	4 3 3	36 75 43	4 1 4	36 25 57	2 0 0	18 0 0	442 444 444	32 28 41	2 0 2	33 61 51	43 30 35	22 9 12	439 443 443	23 25 52	3 3 5	50 60 64	34 29 24	13 8 6	442 444 446
Optional school/SAU question A. B. C. D.	0 50 50	0 0	0	0 0	0 0	1 1	100 100	0 0	0 0	436 432	57 29 14 0	25 0 0	0 0 0	50 50 100	25 50 0	436 432 432						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

N = Numb



MATHEMATICS RESULTS

Test Date: March 2008 4

Grade:

SAU: **MSAD 40**

Union Elem & Gaul Middle Schs School:

CTUDENTS AT FACULACUITYEMENT LEVEL

STUDENT	3 AT EACH ACHIEVEINE	

ACHIEVEMENT LEVEL DEFINITIONS		Sch	ool	SA	\U	Sta	ate
The quality of a student's work at each achievement level reflects progress in attaining Maine's Level Expectations in mathematics.	s Grade	N	%	N	%	N	%
Exceeds the Standards – The student's work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student's responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 461–480)	2005-2006	0	0	3	2	1294	9
	2006-2007	1	6	6	5	1054	8
	2007-2008	1	4	7	4	1321	9
	Cum. Total*	2	3	16	4	3669	9
Meets the Standards – The student's work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student's responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student's work may contain minor errors. (scaled score 441–460)	2005-2006	7	32	70	50	7000	50
	2006-2007	11	61	52	40	7394	53
	2007-2008	8	35	72	43	7079	51
	Cum. Total*	26	41	194	44	21473	51
Partially Meets the Standards – The student's work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student's responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 429–440)	2005-2006	6	27	34	24	3784	27
	2006-2007	4	22	48	37	3729	27
	2007-2008	10	43	59	35	3955	28
	Cum. Total*	20	32	141	32	11468	27
Does Not Meet the Standards – The student's work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student's responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 400–428)	2005-2006	9	41	33	24	1894	14
	2006-2007	2	11	24	18	1735	12
	2007-2008	4	17	30	18	1642	12
	Cum. Total*	15	24	87	20	5271	13

		nber	Avera	ge Point	s Attaine	d (Numbe	r and Pe	rcent)
Learning Results Content Standard Clusters		oints sible	Sch	ool	SA	NU	St	ate
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	15	31	7.3	48.7	8.7	58.0	9.5	63.3
Cluster 2: Shape and Size	14	29	9.6	68.6	8.5	60.7	9.1	65.0
Cluster 3: Mathematical Decision Making	5	10	2.7	54.0	3.1	62.0	3.4	68.0
Cluster 4: Patterns	14	29	8.9	63.6	8.6	61.4	9.7	69.3

Cluster 1: Numbers and Operations

- A. Numbers and Number Sense
- B. Computation
- I. Discrete Mathematics (grades 3 and 4 only)

Cluster 2: Shape and Size

- E. Geometry
- F. Measurement

Cluster 3: Mathematical Decision Making

- C. Data Analysis and Statistics
- D. Probability

Cluster 4: Patterns

- G. Patterns, Relations, and Functions
- H. Algebra Concepts
- K. Mathematical Communication

Each content standard in the clusters above is defined in Maine's 1997 Learning Results, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at http://www.maine.gov/education/lsalt/gles.htm.

^{*}Percentages are calculated by dividing the cumulative total of the number of students in the achievement level by the cumulative total of the number of students tested.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008

Grade:

SAU: MSAD 40

School: Union Elem & Gaul Middle Schs

¥	School												SA	AU		State								
REPORTING CATEGORIES	Tested		E		М		P	I)	Mean Scaled	Tested	E	М	P	D	Mean Scaled	Tested	E	М	P	D	Mean Scaled		
	N	N	%	N	%	N	%	N	%	Score	N	%	%	%	%	Score	N	%	%	%	%	Score		
All Students	23	1	4	8	35	10	43	4	17	440	168	4	43	35	18	440	13997	9	51	28	12	445		
Ethnicity African American/Black American Indian or Native Alaskan Asian or Pacific Islander Hispanic Caucasian/White Not Reported	1 1 0 0 21	1	5	8	38	9	43	3	14	441	1 2 2 2 161 0	4	43	35	17	441	386 101 262 162 13085 1	4 3 14 4 10	26 46 51 41 51	34 41 23 34 28	36 11 12 21 11	434 442 447 440 446		
Identified disability Yes No	3 20	1	5	8	40	9	45	2	10	442	27 141	4 4	11 49	37 35	48 12	430 442	2372 11625	3 11	31 54	36 27	30 8	436 447		
Current LEP Yes No	0 23	1	4	8	35	10	43	4	17	440	1 167	4	43	35	17	440	381 13616	4 10	33 51	28 28	35 11	435 445		
Economically disadvantaged Yes No	8 15	0 1	0 7	2 6	25 40	4 6	50 40	2 2	25 13	438 441	77 91	1 7	36 48	42 30	21 15	438 442	5472 8525	5 13	41 56	35 24	19 7	440 448		
Migrant Yes No	0 23	1	4	8	35	10	43	4	17	440	0 168	4	43	35	18	440	5 13992	0 9	80 51	20 28	0 12	448 445		
Gender Female Male Not Reported	15 8 0	1 0	7 0	4 4	27 50	7 3	47 38	3 1	20 13	440 440	92 76 0	5 3	42 43	30 41	22 13	440 441	6933 7063 1	9 10	50 51	29 27	12 11	445 446		
Title 1A targeted program Yes No	5 18	0 1	0 6	0 8	0 44	3 7	60 39	2 2	40 11	430 443	56 112	0 6	27 51	41 32	32 11	434 444	1890 12107	2 11	34 53	41 26	23 10	438 446		
Gifted/talented program Yes No	0 23	1	4	8	35	10	43	4	17	440	0 168	4	43	35	18	440	266 13731	45 9	49 51	5 29	0 12	461 445		

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested.

I = Number



MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008

Grade: 4

SAU: MSAD 40

School: **Union Elem & Gaul Middle Schs**

					Sch	ool							SA	U			State						
QUESTIONNAIRE ITEMS	Students in Each Category		E	ı	М		P	ı	D	Mean Scaled Score	Students in Each Category	E	М	Р	D	Mean Scaled Score	Students in Each Category	E	М	P	D	Mean Scaled Score	
	%	N	%	N	%	N	%	N	%	Jeore	%	%	%	%	%	Jeone	%	%	%	%	%]	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	0 86 14 0	0	0 33	7	39 33	8 1	44 33	3 0	17 0	440 451	4 83 10 3	0 4 12 0	17 46 47 0	33 35 35 40	50 15 6 60	428 441 446 422	5 74 18 2	6 10 10 5	34 52 52 33	33 28 28 28 28	27 10 10 34	438 446 446 436	
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics? A. The questions on the test match what I have learned in mathematics class.	57	1	8	6	50	4	33	1	8	444	40	8	55	31	6	445	38	13	56	23	8	448	
B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	29 10 5	0 0 0	0 0 0	2 0 0	33 0 0	2 2 1	33 100 100	2 0 0	33 0 0	439 438 432	40 15 6	3 0 0	45 24 11	30 56 33	22 20 56	440 437 425	48 10 4	8 4 2	52 35 25	29 39 33	10 22 40	445 439 433	
Which of the following best describes how you rate yourself as a student in mathematics? A. very good B. good C. fair D. poor	41 59 0	1 0	11 0	5 3	56 23	1 9	11 69	2	22 8	446 438	33 52 13 3	6 5 0	54 39 38 40	24 42 43 0	17 14 19 60	443 442 436 426	35 48 14 3	16 7 3 1	55 52 41 29	20 31 38 36	8 11 18 34	449 445 440 435	
How hard was the mathematics part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	5 71 24	0 1 0	0 7 0	0 5 3	0 33 60	1 6 2	100 40 40	0 3 0	0 20 0	438 441 443	12 60 28	0 4 7	37 44 46	47 34 30	16 17 17	438 441 442	15 64 21	4 10 13	38 54 52	33 28 24	25 9 11	439 446 447	
How often do you use hands-on materials in mathematics class? A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	38 43 14 5	1 0 0 0	13 0 0	4 2 2 0	50 22 67 0	2 5 1	25 56 33 100	1 2 0 0	13 22 0 0	446 438 443 432	23 42 18 16	5 4 3 4	34 46 57 37	37 38 23 37	24 12 17 22	438 443 442 438	23 36 25 16	8 11 10 9	47 54 53 46	29 27 27 27 32	16 9 10 13	443 447 446 444	
How often do you use calculators in mathematics class? A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	5 24 62 10	0 0 1 0	0 0 8 0	0 2 5 1	0 40 38 50	1 2 5 1	100 40 38 50	0 1 2 0	0 20 15 0	432 440 442 445	2 10 35 52	0 0 2 7	25 50 41 45	75 38 40 29	0 13 17 19	442 442 441 441	5 19 38 38	3 8 11 9	30 50 55 50	33 30 26 29	33 12 8 12	436 445 447 445	
On average, how many minutes a day do you spend working on mathematics in class? A. less than 30 minutes B. 30–45 minutes C. 45–60 minutes D. more than 60 minutes	19 48 29 5	0 0 1 0	0 0 17 0	2 5 1 0	50 50 17 0	1 4 3 1	25 40 50 100	1 1 1 0	25 10 17 0	437 442 443 438	9 26 26 40	0 5 2 6	36 52 30 49	36 29 44 32	29 14 23 12	437 442 439 442	8 27 38 26	3 6 11 13	33 48 54 55	38 33 26 23	25 13 9 9	438 443 447 448	
Optional school/SAU question A. B. C. D.	0 50 50	0	0 0	0 0	0 0	1 0	100 0	0 1	0 100	440 426	57 29 14 0	0 0 0	50 0 0	25 50 0	25 50 100	439 431 426							

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards N = Number



SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008

Grade: 4

SAU: MSAD 40

School: Union Elem & Gaul Middle Schs

			NT LEVEL				
ACHIEVEMENT LEVEL DEFINITIONS		Sch	nool	SA	AU .	Sta	te
The quality of a student's work at each achievement level reflects progress in attaining Maine Span Expectations in science and technology.	's Grade	N	%	N	%	N	%
Exceeds the Standards – The student's work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student's responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 461–480)	2005-2006	0	0	3	2	751	5
	2006-2007	0	0	3	2	963	7
	2007-2008	1	5	4	2	882	6
	Cum. Total*	1	2	10	2	2596	6
Meets the Standards – The student's work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student's responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 441–460)	2005-2006	5	23	53	38	7251	52
	2006-2007	7	39	45	35	6824	49
	2007-2008	11	50	74	45	7130	51
	Cum. Total*	23	37	172	40	21205	51
Partially Meets the Standards – The student's work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student's responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 429–440)	2005-2006	12	55	63	45	4514	32
	2006-2007	7	39	54	42	4382	32
	2007-2008	5	23	53	32	4433	32
	Cum. Total*	24	39	170	39	13329	32
Does Not Meet the Standards – The student's work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student's responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 400–428)	2005-2006	5	23	20	14	1458	10
	2006-2007	4	22	28	22	1735	12
	2007-2008	5	23	35	21	1546	11
	Cum. Total*	14	23	83	19	4739	11

		nber	Average Points Attained (Number and Percent)											
Learning Results Content Standard Clusters		oints sible	Sch	ool	SA	' U	State							
	N	%	N	%	N	%	N	%						
Cluster 1: Life Sciences	12	25	7.8	65.0	7.1	59.2	8.0	66.7						
Cluster 2: Physical Sciences	12	25	6.0	50.0	6.1	50.8	7.2	60.0						
Cluster 3: Earth and Space Sciences	12	25	7.4	61.7	7.3	60.8	7.4	61.7						
Cluster 4: Nature and Implications of Science	12	25	7.6	63.3	7.1	59.2	7.6	63.3						

Cluster 1: Life Sciences

A. Classifying Life Forms

B. Ecology

C. Cells

Cluster 2: Physical Sciences

E. Structure of Matter

H. Energy

I. Motion

Cluster 3: Earth and Space Sciences

D. Continuity and Change

F. The Earth

G. The Universe

Cluster 4: Nature and Implications of Science

J. Inquiry and Problem Solving

K. Scientific Reasoning

L. Communication

M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine's 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at http://www.maine.gov/education/lsalt/gles. htm.



SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008

Grade:

SAU: MSAD 40

School: Union Elem & Gaul Middle Schs

*	School												SA	U		State							
REPORTING CATEGORIES	Tested		E		M		P		D	Mean Scaled	Tested	E	М	P	D	Mean Scaled	Tested	E	М	P	D	Mean Scaled	
	N	N	%	N	%	N	%	N	%	Score	N	%	%	%	%	Score	N	%	%	%	%	Score	
All Students	22	1	5	11	50	5	23	5	23	441	166	2	45	32	21	440	13991	6	51	32	11	444	
Ethnicity African American/Black American Indian or Native Alaskan Asian or Pacific Islander Hispanic Caucasian/White Not Reported	1 1 0 0 20	1	5	10	50	5	25	4	20	442	1 2 2 2 159 0	3	45	31	21	440	385 101 262 162 13080 1	2 3 5 2 7	27 44 52 38 52	35 44 28 39 31	36 10 14 21 10	434 441 443 439 444	
Identified disability Yes No	2 20	1	5	11	55	5	25	3	15	443	26 140	0 3	27 48	35 31	38 18	434 441	2370 11621	2 7	32 55	41 30	25 8	437 445	
Current LEP Yes No	0 22	1	5	11	50	5	23	5	23	441	1 165	2	45	32	21	440	379 13612	1 6	25 52	35 32	39 10	433 444	
Economically disadvantaged Yes No	8 14	0 1	0 7	3 8	38 57	2 3	25 21	3 2	38 14	438 443	77 89	1 3	32 55	39 26	27 16	437 442	5470 8521	3 9	41 57	39 27	18 7	440 446	
Migrant Yes No	0 22	1	5	11	50	5	23	5	23	441	0 166	2	45	32	21	440	5 13986	20 6	20 51	40 32	20 11	443 444	
Gender Female Male Not Reported	14 8 0	1 0	7 0	7 4	50 50	3 2	21 25	3 2	21 25	442 440	91 75 0	1 4	45 44	31 33	23 19	439 441	6929 7061 1	6 7	49 53	33 30	12 10	443 444	
Title 1A targeted program Yes No	5 17	0 1	0 6	1 10	20 59	2 3	40 18	2 3	40 18	435 443	56 110	2	23 55	36 30	39 12	434 443	1888 12103	1 7	32 54	44 30	23 9	437 445	
Gifted/talented program Yes No	0 22	1	5	11	50	5	23	5	23	441	0 166	2	45	32	21	440	266 13725	30 6	65 51	5 32	1 11	457 444	

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards



SCIENCE AND TECHNOLOGY RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008

Grade: 4

SAU: MSAD 40

School: Union Elem & Gaul Middle Schs

					Sch	201							SA	11					Sta	tο		
QUESTIONNAIRE ITEMS	Students in Each Category		E	ı	И		P	Ι)	Mean Scaled	Students in Each Category	E	M	P	D	Mean Scaled	Students in Each Category	E	M	Р	D	Mean Scaled
	%	N	%	N	%	N	%	N	%	Score	%	%	%	%	%	Score	%	%	%	%	%	Score
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	0 86 14 0	0	0 33	9 2	50 67	4 0	22 0	5 0	28 0	439 457	4 83 10 3	0 1 12 0	33 46 47 20	17 32 35 40	50 21 6 40	433 440 446 429	5 74 18 2	4 6 7 4	37 53 52 31	36 31 32 33	22 10 8 32	439 444 445 437
How well do the questions that you have just been given on this MEA test match what you have learned in school about science? A. The questions on the test match what I have learned in science class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	43 48 5 5	1 0 0	11 0 0 0	3 7 1 0	33 70 100 0	2 1 0 1	22 10 0 100	3 2 0 0	33 20 0 0	441 442 448 434	24 41 28 7	3 1 4 0	38 54 39 45	38 28 30 36	23 16 26 18	439 441 439 439	24 49 21 6	9 6 4 2	53 54 47 35	28 31 36 37	10 9 13 25	446 445 442 438
Which of the following best describes how you rate yourself as a student in science? A. very good B. good C. fair D. poor	27 59 14 0	1 0 0	17 0 0	3 7 1	50 54 33	0 4 1	0 31 33	2 2 1	33 15 33	443 442 437	19 53 21 7	6 2 0 0	52 48 40 18	23 31 40 45	19 19 20 36	443 440 439 430	25 54 19 3	9 6 3 2	53 55 43 28	27 30 40 42	10 9 15 29	446 445 441 435
How difficult was the science part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	5 86 10	0 1 0	0 6 0	0 11 0	0 61 0	1 2 1	100 11 50	0 4 1	0 22 50	438 443 431	19 64 17	0 3 4	43 46 39	30 32 36	27 19 21	439 440 439	22 62 16	5 7 7	45 53 52	35 31 28	15 9 13	442 445 444
How often do you have science classes? A. every day B. a few times a week C. once a week D. a few times a month	10 57 14 19	0 1 0	0 8 0	1 7 2 1	50 58 67 25	0 3 0 1	0 25 0 25	1 1 1 2	50 8 33 50	440 445 441 433	13 62 12 13	0 4 0 0	19 47 50 59	57 31 25 18	24 19 25 23	437 441 438 440	24 53 9 14	7 7 6 5	48 54 46 50	33 31 33 31	12 9 15 14	444 445 442 443
Which statement best describes how you learn science? A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments. B. I work in groups to design and conduct experiments. C. I do a combination of A and B, but mostly A. D. I do a combination of A and B, but mostly B.	52 5 29 14	0 0 1 0	0 0 17 0	6 0 2 3	55 0 33 100	2 0 2 0	18 0 33 0	3 1 1 0	27 100 17 0	441 428 442 446	38 13 24 25	3 0 5 0	40 36 41 61	29 36 38 27	27 27 15 12	439 437 442 441	25 27 26 22	5 4 7 9	48 46 56 55	34 37 28 26	13 13 8 9	443 442 445 446
Optional school/SAU question A. B. C. D.	0 50 50	0 0	0	0 0	0 0	0 0	0 0	1 1	100 100	428 424	57 29 14 0	0 0 0	25 0 0	25 0 0	50 100 100	433 427 424	22	Ů		20	ŭ	

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

Page 12